

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2011 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>RD0537</b>	Overall LMA Rating	Total LMA Miles				
<b>Reclamation District No. 0537 Lovdal</b>	<b>A</b>	<b>5.95</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments	0.02		0.02	0.34%	0.08	0.19
Animal Control	0.03		0.03	0.50%		
Erosion / Bank Caving	0.03		0.03	0.50%		
<i>Supplemental</i>						
USACE Erosion Survey	0.06		0.06	1.01%		
<i>LMA Totals:</i>	0.14	0.00	0.14	2.35%	0.08	0.19

  

<b>Unit No. 01 Sacramento River RB</b>	Overall Unit Rating	Total Unit Miles				
<b>RD0537</b>	<b>A</b>	<b>4.76</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments	0.02		0.02	0.42%	0.08	0.19
Animal Control	0.03		0.03	0.63%		
Erosion / Bank Caving	0.03		0.03	0.63%		
<i>Supplemental</i>						
USACE Erosion Survey	0.06		0.06	1.26%		
<i>Unit Totals:</i>	0.14	0.00	0.14	2.94%	0.08	0.19

  

<b>Unit No. 02 Yolo Bypass LB</b>	Overall Unit Rating	Total Unit Miles				
<b>RD0537</b>	<b>A</b>	<b>1.19</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2011 Levee Inspection Results**

**Reclamation District No. 0537 Lovdal**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Reclamation District No. 0537 Lovdal**

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	4.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/9/2011 - 3/9/2011		11/8/2011 - 11/8/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Kyle Lang RD 537		Kyle Lang RD 537	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0537 Lovdal**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River							Right	4.76	11/08/2011 11/08/2011	John Williamson
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.01	0.21	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Trees stumps are visible on levee.	38.643080 ° -121.584260 °	38.644849 ° -121.581221 °	963
2	0.48	0.48	Earthen Levee	Encroachments	LS	C	Prunings	38.647253 ° -121.577219 °	38.647253 ° -121.577219 °	20
3	0.56	0.56	Earthen Levee	Encroachments	LS	M	Prunings	38.647736 ° -121.575960 °	38.647736 ° -121.575960 °	39 Y
4	0.72	0.72	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.647903 ° -121.573190 °	38.647903 ° -121.573190 °	954 Y
5	1.93	1.93	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.633148 ° -121.564520 °	38.633148 ° -121.564520 °	40 Y
6	2.36	2.36	Earthen Levee	Erosion / Bank Caving	LS	M	Schedule repair of erosion site prior to the next inspection.	38.627124 ° -121.563842 °	38.627124 ° -121.563842 °	41 Y
7	2.36	2.36	Earthen Levee	Encroachments	WS	M	Tree or limb	38.627125 ° -121.563758 °	38.627125 ° -121.563758 °	38 Y
8	2.40	2.40	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.626438 ° -121.563794 °	38.626438 ° -121.563794 °	42 Y
9	2.58	2.64	Earthen Levee	Encroachments	LS	PO	Landscaping	38.623988 ° -121.563663 °	38.623067 ° -121.563580 °	1 Y
10	2.60	2.60	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.623609 ° -121.563471 °	38.623609 ° -121.563471 °	37 Y
11	2.71	2.71	Earthen Levee	Erosion / Bank Caving	LS	M	Schedule repair of erosion site prior to the next inspection.	38.622034 ° -121.563433 °	38.622034 ° -121.563433 °	43 Y
12	2.94	2.96	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Arundo starting to creep up levee slope	38.618885 ° -121.563377 °	38.618490 ° -121.563382 °	3 Y
13	4.18	4.37	Earthen Levee	Encroachments	WS	CO	Buildings	38.602763 ° -121.555458 °	38.600690 ° -121.553187 °	8 Y
14	4.25	4.27	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Erosion near the downstream corner of the Sacramento Weir. 2000 - Local damage induced by human use. 2011: No observed change. [2011 Site ID: SAC_63-0_R]	38.602101 ° -121.553909 °	38.601708 ° -121.553603 °	2 Y
15	4.27	4.31	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - This may have been a cobble rehabilitation site to the 1957 cobble that was place all the way to the I-80 Bridge. 2003 - Site is still very close to the levee and into the levee toe. 2011: One new tree has fallen. [2011 Site ID: SAC_62-9_R]	38.601388 ° -121.553250 °	38.600907 ° -121.552815 °	4 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
W : Watch/Monitor  
N : Not Inspected, see Inspector Comment  
C : Corrected

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0537 Lovdal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	11/08/2011 11/08/2011	John Williamson

Levee Mile Report Line	3
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Piles of brush on the levee crown at the setback levee. Fall 2011

johngw\_f\_20111108\_522.jpg



Levee Mile Report Line	4
Start Levee Mile	0.72
End Levee Mile	0.72
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

This is a photo of the eroison and the bank.

johngw\_f\_20110923\_183.jpg



Levee Mile Report Line	4
Start Levee Mile	0.72
End Levee Mile	0.72
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The slope is eroison site is at Monument Bend. Fall 2011

johngw\_f\_20111108\_523.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0537 Lovdal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	11/08/2011 11/08/2011	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.72
End Levee Mile	0.72
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Another view of some badly eroded areas. Fall 2011

johngw\_f\_20111108\_524.jpg



Levee Mile Report Line	4
Start Levee Mile	0.72
End Levee Mile	0.72
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Another view of the site. Fall 2011

johngw\_f\_20111108\_525.jpg



Levee Mile Report Line	5
Start Levee Mile	1.93
End Levee Mile	1.93
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodents holes with a large volume of soil removed. Fall 2011

johngw\_f\_20111108\_526.jpg



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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0537 Lovdal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	11/08/2011 11/08/2011	John Williamson

Levee Mile Report Line	5
Start Levee Mile	1.93
End Levee Mile	1.93
Location	Land Side
Category	Earthen Levee
Item	Animal Control
There are multiple holes in the same area. Fall 2011	
johngw_f_20111108_527.jpg	



Levee Mile Report Line	6
Start Levee Mile	2.36
End Levee Mile	2.36
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Bank eroison possible caused by rodent holes. Fall 2011	
johngw_f_20111108_528.jpg	



Levee Mile Report Line	7
Start Levee Mile	2.36
End Levee Mile	2.36
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A tree limb has broken off and needs to be removed. Fall 2011	
johngw_f_20111108_529.jpg	

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0537 Lovdal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	11/08/2011 11/08/2011	John Williamson

Levee Mile Report Line	8
Start Levee Mile	2.40
End Levee Mile	2.40
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent hole have a large volume of soil removed.  
Fall 2011

johngw\_f\_20111108\_530.jpg



Levee Mile Report Line	9
Start Levee Mile	2.58
End Levee Mile	2.64
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Landscape shrubs at the toe of the levee.

johngw\_f\_20110923\_176.jpg



Levee Mile Report Line	10
Start Levee Mile	2.60
End Levee Mile	2.60
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A large rodent hole at the base of the tree. Fall 2011

johngw\_f\_20111108\_532.jpg



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**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0537 Lovdal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	11/08/2011 11/08/2011	John Williamson

Levee Mile Report Line	11
Start Levee Mile	2.71
End Levee Mile	2.71
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion on the slope other small erosion in the area. Fall 2011	
johngw_f_20111108_531.jpg	



Levee Mile Report Line	12
Start Levee Mile	2.94
End Levee Mile	2.96
Location	Land Side
Category	Earthen Levee
Item	Encroachments
There is groundcover and landscape shrubs at the toe.	
johngw_f_20110923_177.jpg	



Levee Mile Report Line	12
Start Levee Mile	2.94
End Levee Mile	2.96
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Arundo and vegetation with the landscape.	
johngw_f_20110923_178.jpg	

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0537 Lovdal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	11/08/2011 11/08/2011	John Williamson

Levee Mile Report Line	13
Start Levee Mile	4.18
End Levee Mile	4.37
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Old Sacramento Weir Yard building and fence compound on levee crown.

johngw\_f\_20110923\_179.jpg



Levee Mile Report Line	14
Start Levee Mile	4.25
End Levee Mile	4.27
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_SAC\_63-0\_R\_1.jpg



Levee Mile Report Line	14
Start Levee Mile	4.25
End Levee Mile	4.27
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011\_SAC\_63-0\_R\_2.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0537 Lovdal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	11/08/2011 11/08/2011	John Williamson

Levee Mile Report Line	15
Start Levee Mile	4.27
End Levee Mile	4.31
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_SAC\_62-9\_R\_1.jpg



Levee Mile Report Line	15
Start Levee Mile	4.27
End Levee Mile	4.31
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011\_SAC\_62-9\_R\_2.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Reclamation District No. 0537 Lovdal**

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Left	1.19
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/9/2011 - 3/9/2011		11/10/2011 - 11/10/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Kyle Lang RD 537		Kyle Lang RD 537	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Reclamation District No. 0537 Lovdal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	11/10/2011 11/10/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.10	1.17	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	38.596056 ° -121.576680 °	38.582274 ° -121.567840 °	45 Y
2	0.10	1.17	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	38.596056 ° -121.576680 °	38.582274 ° -121.567840 °	42 Y

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Fall 2011

### Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	11/10/2011 11/10/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.10
End Levee Mile	1.17
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The vegetation meets all standards good grasses and height less then 12 inches. Fall 2011

johngw\_f\_20111116\_555.jpg



Levee Mile Report Line	2
Start Levee Mile	0.10
End Levee Mile	1.17
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The brush and vegetation meets all standards. Fall 2011

johngw\_f\_20111116\_556.jpg



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